

San Francisco Bay Area Regional ITS Plan

Stakeholder Workshop #2



**Kinley-Horn
and Associates, Inc.**

Metropolitan Transportation Commission
MTC Auditorium, MTC, 101 Eighth Street,
Oakland, California 94607
9:00 AM - 12:00 PM or 1:00 PM - 4:00 PM
05/10/2007



Welcome

- Introductions
 - Pierce Gould, MTC
 - Melissa Hewitt, Kimley-Horn and Associates, Inc.
 - Alyssa Phaneuf, Kimley-Horn and Associates, Inc.
 - Bruce Eisenhart, ConSysTec
 - Trevor Harris, ConSysTec



Today's Agenda

- Overview of Today's Workshop
- Bay Area Regional ITS Vision & Goals
- ITS Service Category Priorities
- Bay Area Regional ITS Plan Update Status
- Update Interconnects and Information Flows
- Update Interagency Agreements
- Questions and Next Steps

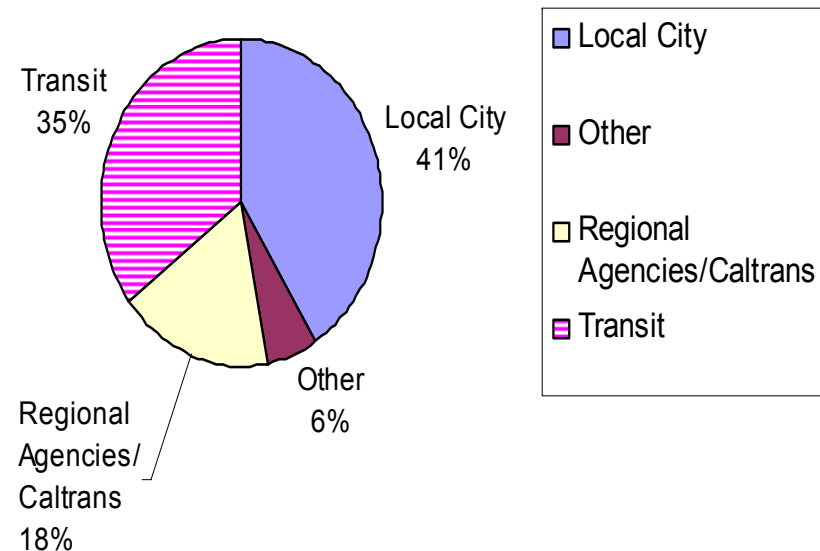


Goals, Vision, and Priorities

Development:

- Previous ITS Plan
- Stakeholder Workshop #1
- Steering Committee
- Stakeholder input
- Survey results
 - 17 agencies
 - Cross section of all major groups of stakeholders

Survey Respondents





Bay Area Regional ITS Goals

1. Improve reliability of the transportation system (100% ranked #1 priority)
2. Reduce congestion in major corridors
3. Improve safety and security of motorists and transit users. Ensure effective transportation operations during emergencies
4. Expand travel options (travel modes, routes, and time) through the use of traveler information
5. Integrate the needs of the goods movement industry into transportation decisions
6. Improve the security of transportation facilities



RTP – Transportation 2030 Goals

- Safety
- Reliability
- Access
- Livable Communities
- Clean Air
- Efficient Freight Travel



ITS Issues in the Bay Area

Issues identified at the previous workshop include:

- Duplication of ITS services
- Interoperability of ITS projects
- Regional policy for O&M
- Explore funding policies that reward integration
- Training opportunities for local agencies
- Need advocates to acquire funding (i.e. bicycle/ped.)



ITS Service Category Priorities

ITS Service	Example	Priority
Surface Street Traffic Management	Signal coordination, parking management, railroad crossing management	H
Freeway Traffic Management	Traffic detection, ramp metering, HOV management, electronic toll collection	H
Traveler Information	Pre-trip, en-route, carpool information, events alert, traffic forecast	H
Transit Operation	Automated vehicle location system, automated passenger counter and fare collection devices, transit vehicle priority at intersection, transit facility security	H
Transit Information	Transit vehicle arrival time, transit trip planning tool, dynamic transit transfer information	H
Incident Management	Incident detection, incident information dissemination, dynamic route for incident response vehicles, roadway service patrol	H

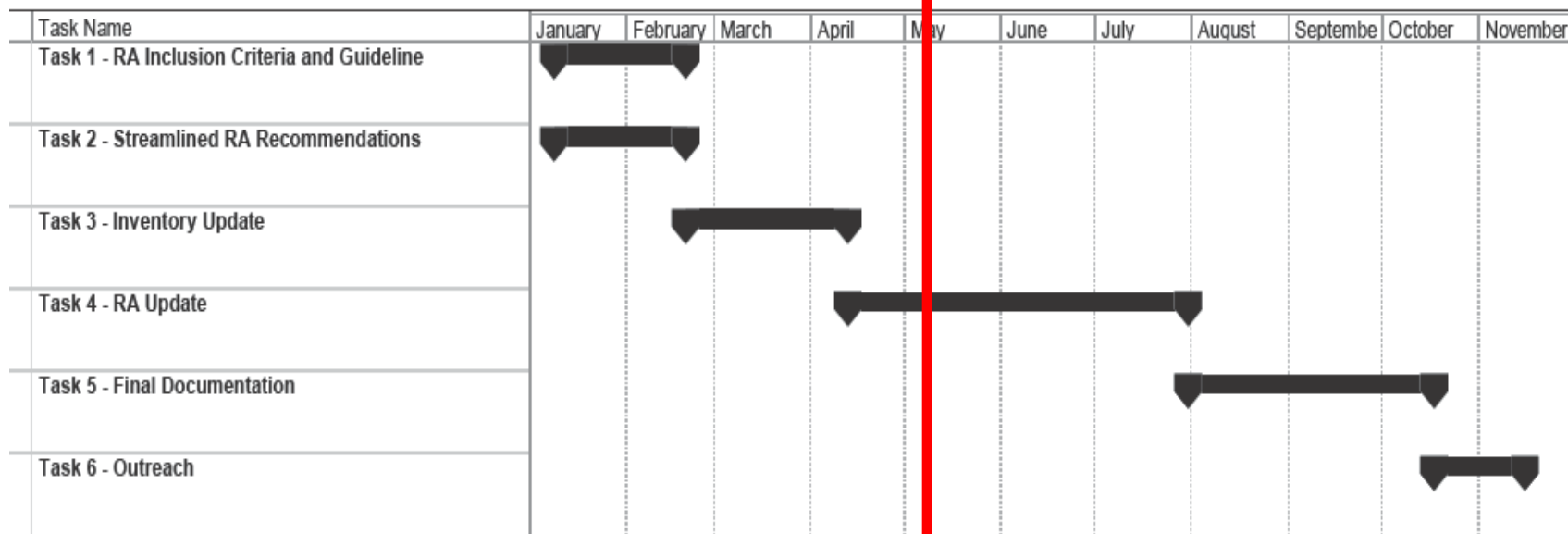


ITS Service Category Priorities (Cont'd)

ITS Service	Example	Priority
Emergency Management	Emergency condition notification, disaster response or evacuation	H
Roadway Operations & Maintenance	Road closure/construction information dissemination, work zone management	M
Commercial Vehicle Operations	Weight monitoring, electronic screening, security, tailored information, HAZMAT management	L
Road Weather Management	Information dissemination, response and treatment	L



Bay Area ITS Plan Update Status





Inventory Status

Select Agency Name:

Lead Agency
AC Transit
BART
GGBHTD
Caltrain
MUNI

If your project is not listed by name, select the project category:

ITS Category	Project Description
Transit Vehicle Tracking	Implement automated vehicle location (AVL) data exchange between transit vehicles and transit operators
Multi-modal Coordination	Implement transit signal priority (TSP) along key transit corridors
Transit Security	Implement transit vehicle emergency notification systems between vehicles and transit operators



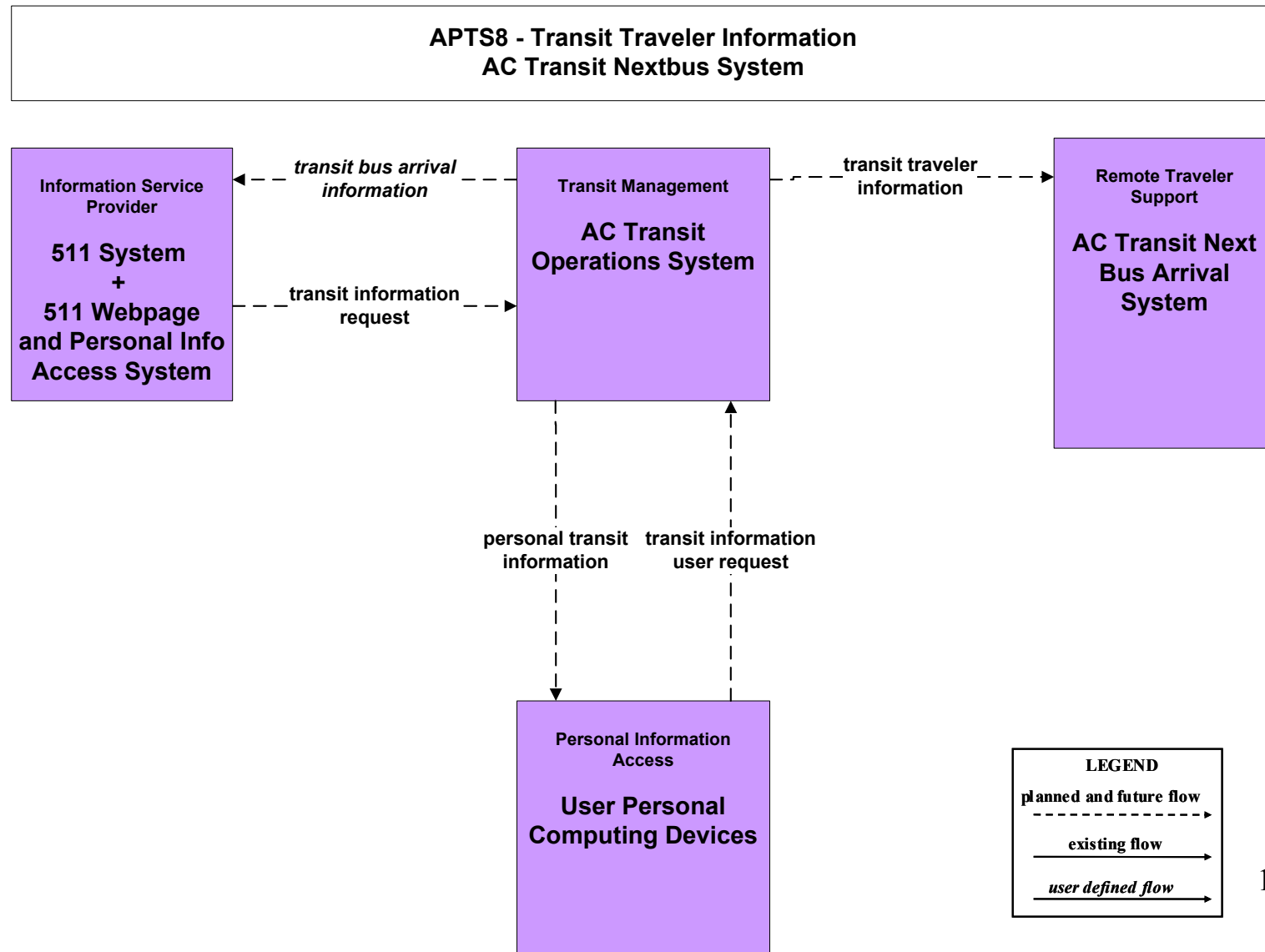
AC Transit Projects

Select Project Description:

Lead Agency	Project Description
AC Transit	NextBus GPS-based AVL system
AC Transit	CD / EOC Upgrade and Rebuild
AC Transit	Bus Signal Priority (vehicle to roadside)
AC Transit	Collison Avoidance



Project Diagrams - Example





Inventory Status

Select Agency:

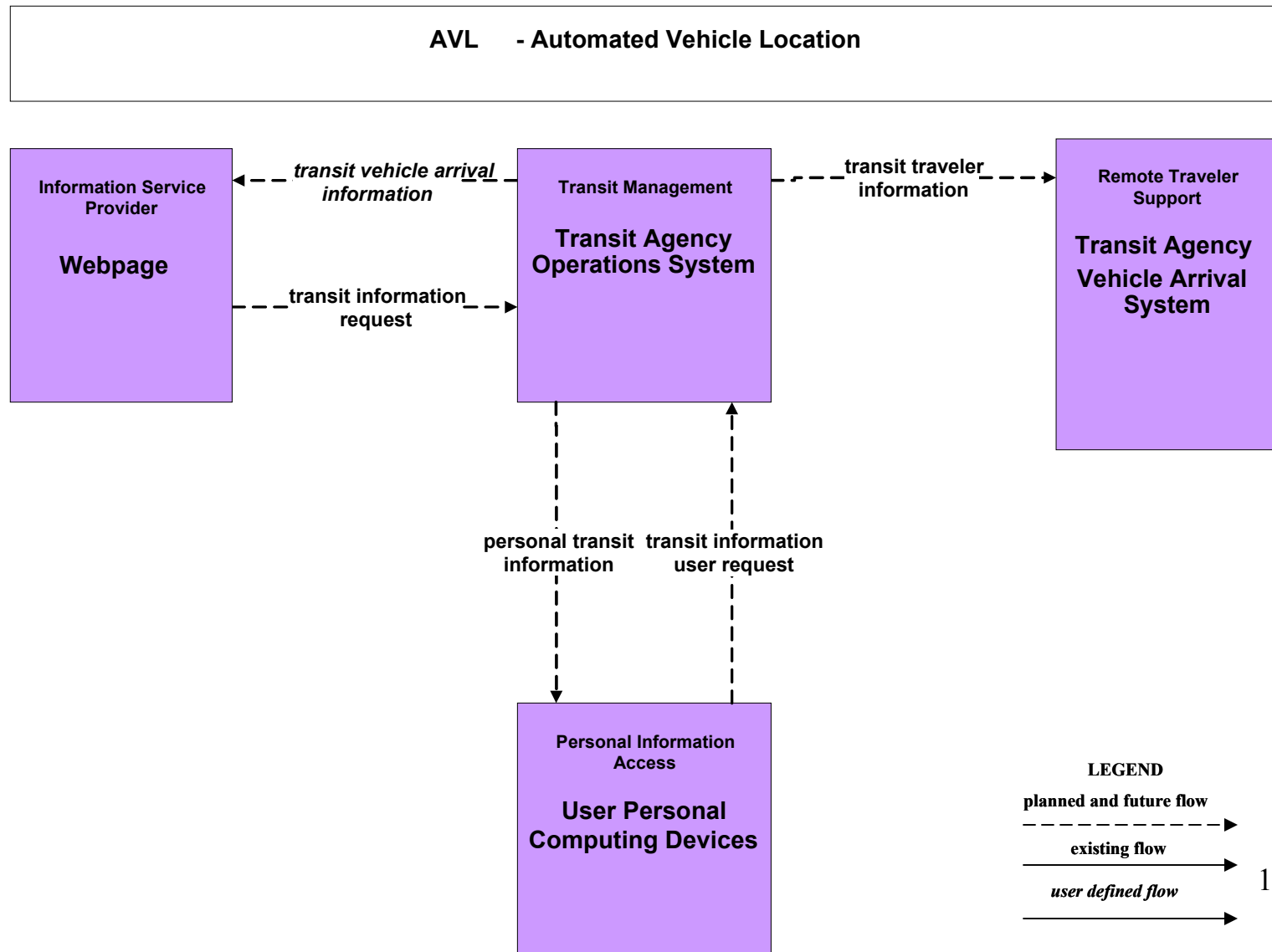
Lead Agency	Project Description
AC Transit	NextBus GPS-based AVL system
BART	Real-Time Information System
GGBHTD	Golden Gate Bridge Highway and Transportation District Radio Replacement
Caltrain	Automated Passenger Counters (APC)

If your project is not listed by name, select the project category:

ITS Category	Project Description
Automated Vehicle Location (AVL)	Implement automated vehicle location (AVL) data exchange between transit vehicles and transit operators
Multi-modal Coordination	Implement transit signal priority (TSP) along key transit corridors
Transit Security	Implement transit vehicle emergency notification systems between vehicles and transit operators



Project Diagrams - Example





Update Interconnects and Information Flows

- Update existing and proposed information sharing between ITS projects
- Revised interconnect diagrams will be posted on the MTC website for review
- Stakeholders will have 3 weeks to provide comments/changes



Existing Interagency Agreements

- Traffic Management involving multiple jurisdictions and agencies
- Transit or emergency vehicle signal privileges
- Common regional fare collection & management
- Traveler information
- Archived data management
- Shared use of communication infrastructure
- Corridor agreements



Next Steps

- Interconnect diagrams will be posted on the MTC website for a 3 week stakeholder review.
- Draft Regional ITS Plan posted for review in August
- Two “executive” summaries (technical and policy-maker)
- Outreach of the final plan will include a “How to Use” the Plan for planning and procurement staff



Questions and Comments

- Find additional information at http://mtc.ca.gov/planning/ITS/ITS_update.htm
- Email your questions to Bayarch.update@kimley-horn.com



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